

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Arun Ayyagari

Attorney Docket No.: 164136.01

Application No.: 09/805,500

Group Art Unit: 2662

Filed: 3/13/2001

Examiner: Hong Sol Cho

Customer No.: 22971

Confirmation Number: 1953

Title: SYSTEM AND METHOD FOR ACHIEVING ZERO-CONFIGURATION WIRELESS
COMPUTING AND COMPUTING DEVICE INCORPORATING SAME

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

STATEMENT FILED PURSUANT TO
THE DUTY OF DISCLOSURE UNDER 37 C.F.R. §§ 1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97 and 1.98, the
Applicant requests consideration of this Information Disclosure Statement.

Compliance with 37 C.F.R. § 1.97

This Information Disclosure Statement has been filed before the mailing date of a
first Office Action after the filing of a request for continued examination under 37 C.F.R.
1.114.

No fee or certification is required.

Remarks

The Applicant hereby makes of record in the above-identified application the information listed on the attached forms PTO/SB/08A and 08B. The order of presentation of the references should not be construed as an indication of the importance of the references. Documents cited on the attached forms PTO/SB/08A and 08B are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO/SB/08A be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. § 102.

Notwithstanding any statement by the Applicant, the Applicant urges the Examiner to form his own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested.

Respectfully submitted,
MICROSOFT CORPORATION

Date: May 2, 2005

By: David S. Lee
David S. Lee, Reg. No. 38,222
Microsoft Corporation
Redmond, Washington
Telephone (425) 707-3591

CERTIFICATE OF MAILING OR TRANSMISSION
(Under 37 CFR § 1.8(a))

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<p>Substitute for form 1449/PTO</p> <h1>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h1> <p><i>(use as many sheets as necessary)</i></p> <p style="text-align: center;">  </p>				<i>Complete if Known</i>	
				Application Number	09/805,500
				Filing Date	03/13/2001
				First Named Inventor	Arun Ayyagari
				Art Unit	2662
				Examiner Name	Cho, Hong Sol
Sheet	1	of	8	Attorney Docket Number	164136.01

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	1-1	BREWER, E. A., et al., "A Network Architecture for Heterogeneous Mobile Computing", <i>IEEE Personal Communications</i> , IEEE Communications Society, US, vol. 5, No. 5, 1 October 1998, pages 8-24		<input type="checkbox"/>
	1-2	MOULY, M., et al., "The GSM System for Mobile Communications Passage", <i>GSM System for Mobile Communications</i> , 1992, pages 446-459		<input type="checkbox"/>
	1-3	PERKINS, C. E., "Mobile-AP, Ad-Hoc Networking, and Nomadicity", <i>Proceedings of the 20th Annual International Computer Software and Applications Conference (COMPSAC)</i> . Seoul, Aug. 21-23, 1996. <i>Proceedings of the Annual International Computer Software and Applications Conference (COMPSAC)</i> , Los Alamitos, IEEE Comp., Vol. CONF. 20, 21 August 1996, pages 472-476.		<input type="checkbox"/>
	1-4	ADACHI, T., et al., "A Handoff Examination Of A Hybrid System Using Cellular And Ad-Hoc Modes", <i>IEICE Transactions on Communications</i> , Institute of Electronics Information and Comm. Eng. Tokyo, Japan, Vol. E83-B, No. 11, November 2000, pages 2494-2500.		<input type="checkbox"/>
	1-5	BRECHER, et al., "Broad-band Wireless Access and Future Communications Networks", <i>Proceedings of the IEEE</i> , Vol. 89, No. 1, January 2001		<input type="checkbox"/>

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	1-6	PAHLAVAN, K., et al., "Handoff in Hybrid Mobile Data Networks", <i>IEEE Personal Communications</i> , IEEE Communications Society, US, Vol. 7, No. 2, April 2000, pages 34-47			<input type="checkbox"/>
	2-1	Atheros Communications, AR5001X Combo WLAN Solution Brochure, retrieved from www.atheros.com pp. 1-2			<input type="checkbox"/>
	2-2	NOBEL, CARMEL, "For WLAN, It's 802.11bm" Eweek retrieved from www.eweeek.com/print_article/0.3668.a=18648.00.asp (November 19, 2001) pp. 1-2			<input type="checkbox"/>
	2-3	NANDAGOPAL, T., et al., "A Unified Architecture for the Design and Evaluation of Wireless Fair Queuing Algorithms", ACM MobiCom 1999, in proceedings of the <i>Fifth Annual ACM/IEE International Conference on Mobile Computing and Networking</i> (August 1999) pp. 132-142			<input type="checkbox"/>
	2-4	KESHAV, S., "On the Efficient Implementation of Fair Queuing" <i>Internetworking Research and Experience</i> , Vol. 2, No. 3, 157-173 (1991)			<input type="checkbox"/>

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	2-5	BHARGHAVAN, V., et al., "Fair Queuing in Wireless Networks: Issues and Approaches", <i>IEEE Personal Communications Magazine</i> , pp. 44-53 (February 1999)		<input type="checkbox"/>
	2-6	PAREKH, A.K., et al., "A Generalized Processor Sharing Approach to Flow Control in Integrated Services Networks: The Single-Node Case", <i>IEEE/ACM Transactions on Networking</i> , Vol. 1, No. 3, pp. 344-357 (June 1994)		<input type="checkbox"/>
	2-7	PAREKH, A.K., et al., "A Generalized Processor Sharing Approach to Flow Control in Integrated Services Networks: The Multiple Node Case", <i>IEEE/ACM Transactions on Networking</i> , Vol. 2, No. 2, pp. 137-150 (March 1994)		<input type="checkbox"/>
	2-8	NG, T.S., "Packet Fair Queuing: Algorithms for Wireless Networks with Location-Dependent Errors", <i>Proceedings of IEEE INFOCOM '98, The Conference on Computer Communications</i> Vo. 3, <i>Seventh Annual Joint Conference of the IEEE Computer and Communications Societies</i> , pp. 1103-1111 (March 1998)		<input type="checkbox"/>
	2-9	LETTIERI, et al., "Advances in Wireless Terminals", <i>IEEE Personal Communications</i> , Vol. 6, No. 1, (February 1999), pp. 6-19		<input type="checkbox"/>

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T ²					
	2-10	YUNG-HSIANG LU, et al., "Requester-Aware Power Reduction", <i>IEEE</i> ; 20 September 2000 (2000-09-02), pp. 18-23			<input type="checkbox"/>
	2-11	BENINI, et al., "System-level Dynamic Power Management", <i>Low Power Design</i> , 1999; Proceedings. <i>IEEE Alessandro Volta Memorial Workshop on Como, Italy</i> 4-5 March 1999, Los Alamitos, CA, USA, <i>IEEE Comput. Soc, US</i> , 4 March 1999 (1999-03-04), pp. 23-31			<input type="checkbox"/>
	3-1	LIU, JUN, et al., "Using Loss Pairs to Discover Network Properties", <i>ACM SIGCOM Internet Measurement Workshop</i> , 2001, 12 pages			<input type="checkbox"/>
	3-2	ZHANG, YIN, et al., "On the Constancy of Internet Path Properties", <i>SIGCOM Internet Measurement Workshop</i> , 2001, 15 pages			<input type="checkbox"/>
	3-3	LAI, KEVIN, et al., "Measuring Link Bandwidths Using A Deterministic Model of Packet Delay", in <i>Proceedings of ACM SIGCOM 2000</i> , 12 pages			<input type="checkbox"/>

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	3-4	BALAKRISHNAN, HARI, et al., "Analyzing Stability in Wide-Area Network Performance", <i>In Proceedings of CAN SIGMETRICS Conference on Measurement & Modeling of Computer Systems</i> , Seattle, WA, June 1997, 11 pages		
	3-5	YAVATKAR, R., et al., "SBM (Subnet Bandwidth Manager): A Protocol for RSVP-based Admission Control Over IEEE 802-style Networks", <i>IETF RFC 2814</i> , retrieved from http://www.ietf.org/rfc/rfc2814.html on May 19, 2002		
	3-6	BRESLAU, LEE, et al., "Endpoint Admission Control: Architectural Issues and Performance", <i>In Proceedings of ACM SIGCOMM 2000</i> , 66. 57-69		
	3-7	CHAISERINI, CARLA F., "Combining Paging with Dynamic Power Management", in <i>IEEE INFOCOM 2001</i> , pp. 996-1004		
	3-8	SHIH, EUGENE, et al., "Wake on Wireless: An Event Driven Energy Saving Strategy for Battery Operated Devices ", <i>MOBICOM '02</i> , September 23-26, 2002, pp. 1-12		

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	4-1	Riku METTALA et al., <u>Bluetooth Protocol Architecture</u> (White Paper), v1.0, Nokia Mobile Phones, Sept. 29, 1999		
	4-2	Brent MILLER et al., <u>Mapping Salutation Architecture APIs to Bluetooth Service Discovery Layer</u> (White Paper), v. 1.0, IBM Corporation, July 1, 1999		
	4-3	IEEE Standard, 802.11, <u>Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications</u> , 1 st Ed. 1999, and Supplements 802. 11a- 1999 and 802. 11b- 1999.		
	4-4	C. RIGNEY et al., RFC 2865, "Remote Authentication Dial in User Service (Radius)", The Internet Society, June 2000		
	4-5	B. ABODA and D. SIMON, RFC 2716, "PPP EAP TLS Authentication Protocol", The Internet Society, Oct. 1999		

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	4-6	L. BLUNK and J. VOLLBRECHT, RFC 2284, "PPP Extensible Authentication Protocol (EAP)", The Internet Society, March 1998			<input type="checkbox"/>
	4-7	IEEE 802.11 <u>Security White paper</u> , v0.1, Windows Network Infrastructure team, Microsoft Corporation, March 15, 2000			<input type="checkbox"/>
	4-8	T. MULLER, <u>Bluetooth Security Architecture</u> (White Paper), v.1.0, July 15, 1999			<input type="checkbox"/>
	4-9	IEEE 802.1X <u>Supported Scenarios</u> , Windows Network Infrastructure team, Microsoft Corporation, v0.1, April 7, 2000			<input type="checkbox"/>
	5-1	GUO et al., "Low power distributed MAC for ad hoc sensor radio networks," Proceedings of IEEE Global Telecommunications Conference (GLOBECOM '01), Volume 5, November 25-29, 2001			<input type="checkbox"/>
	5-2	INTEL., "Sample Installation Scenarios," Intel Wireless Gateway, pages 1-3, October 9, 2001			<input type="checkbox"/>

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